

YASHA

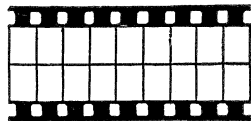
INSTRUCTION BOOKLET FOR

802

FILM FOR THE YASHICA 8T2

Your Yashica 8T2 uses a 25 foot length of standard double-8 film loaded on a light tight spool. Double-8 is supplied in double width (16mm wide), and run through the camera twice. The first time, one half-width is exposed. Then you invert the spool, and run it through the camera again to expose the other half-width.

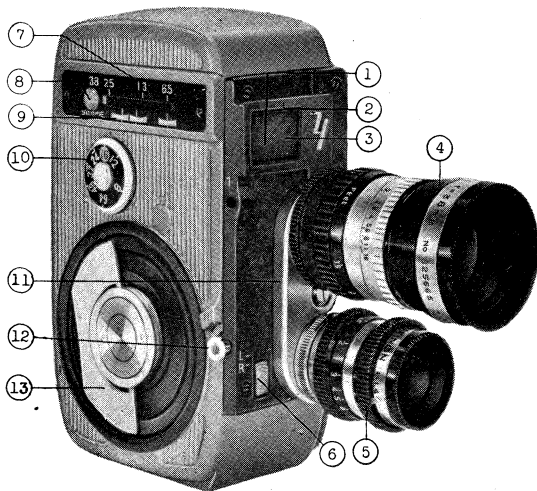
When you send the film to the processing laboratory, it is developed, then split into two strips, each 8mm wide, as shown at right. The two 8mm strips are spliced end-to-end, so that you receive one continuous 50-foot reel of film for projection. At the standard speed frames of 16 frames-per-second, this 50-foot reel will run for just over four minutes through your movie projector. You can, and probably will, splice several reels together to provide you with a longer, uninterrupted run.



Description of YASHICA

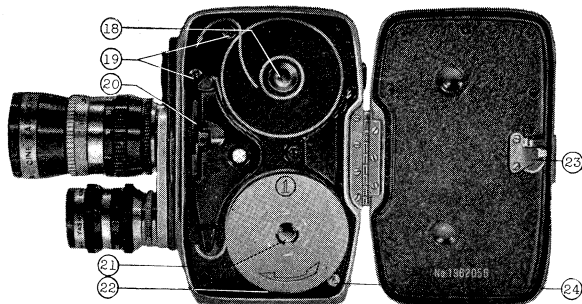
8T₂

The Yasica Movie Camera is designed for its ease of handling by the amateur, and at the same time provides a full range of features required by the advanced cameraman. However, in order to obtain best results from your camera, it is desirable that you familiarize yourself with the names and functions of the main parts of the Yashica Movie Camera illustrated on this page.



- (1) Zoom View-finder
- (2) Yashica-Scope Mask Frame
- (3) Single Exposure Release Socket
- (4) Telephoto Lens
- (5) Normal Lens
- (6) Safety-lock Dial
- (7) Zoom View-finder Scale
- (8) Zoom View-finder Adjustment Knob
- (9) Yashica-Scope Finder Scale
- (10) Shutter Speed
- (11) Two-lens Turret
- (12) Run Button
- (13) Winding Crank ratchet type

- (14) View-finder Peep-window
- (15) Footage Indicator
- (16) Film loading door Lock
- (17) Exposure Guide



- (18) Feed (upper) Spindle
- (19) Film Guide Roller
- (20) Film Pressure Plate
- (21) Take-up (lower) Spindle
- (22) Film Pressure Plate Lock
- (23) Footage Indicator Reset Shaft



LENS

The YASHICA MOVIE is equipped with YASHINON ultra high-speed lenses which are color-corrected anastigmats and coated. The lens mount is of the D mount type.

Each lens has two adjustment rings. One, the **aperture ring**, controls exposure. The second, the **focusing ring**, focuses the lens to the distance of your subject.

LENS CARE

- (a) Keep fingers off the glass surface. Although the coating is relatively hard, skin oils and abrasive surfaces can scrape through it easily.
- (b) Clean the glass surfaces very rarely. Use a drop of water only and a reliable grade of lens tissue.
- (c) Keep lens caps on when lenses are not in use. When mounted on the camera, keep lens cap on until shooting begins.

APERTURE The lens aperture ring setting, of f: stop, depends on light conditions. The exposure guide packed with your film tells you the correct f: stop.

Note; The largest f: stop is f:1.4 and the smallest f: stop is f:16, the highest number on the lens aperture ring.

FOCUSING The focusing ring permits you to adjust the lens for any subject distance. If you set it to 4, objects 4 feet away will be sharp. But objects closer and farther than 4 feet will also be sharp. For example, at an aperture of f:8, everything between 2 feet and infinity (very far away) will be reasonably sharp. If, because of dim light, you open the lens aperture to f:4, the sharpness zone would be from about 2½ feet to 10 feet.

Here is a focus rule of thumb for most occasions:

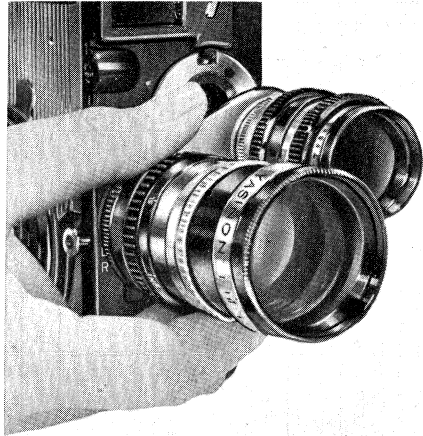
If your subject is nearby, set focusing ring at 4.

If your subject is far away set it to 20.

Be sure to consult the depth-of-field table on page 13 to gain a more complete idea of zone-of-sharpness.

THE D-MOUNT

The lens-mount for the Yashica Movie Camera is called a D-mount and is designed to international standards. Therefore, aside from all Yashinon D-mounts, any D-mount lens can be attached to the Yashica Movie Camera.



THE TURRET

The turret of the Yashica Movie enables you to have two lenses ready for use at all times. The upper position is the "taking" position, the bottom, the standby position. To use the standby lens, grasp both lenses and rotate the turret until the standby lens snaps into "taking" position. Take care not change lens settings when rotating the turret.

DEPTH-OF-FIELD

When you focus the camera on a subject, there is a certain distance in front and at the back of the subject within which other objects will also appear sharp. This is known as the "Depth-of-field", and it varies with the lens aperture. The smaller the aperture, the greater the Depth-of-field. For example, when the camera is focused at 4 feet with a 13mm lens and the aperture is f:4, the Depth-of-Field is from about 2'6" to approx. 9'ft. 11"ft. Thus, the camera which you have focused at 4ft. with a lens aperture of f:8, is always in sharp focus all objects from a distance of 1'10" to infinity. This will save you the difficulty of having to focus your camera on moving objects.

DEPTH-OF-FIELD TABLE

YASHINON f1.4/13mm NORMAL LENS

Distance		f-stop	f 1.4	f 2	f 2.8	f 4	f 5.6	f 8	f 11	f 16	f 22
1ft	from~to		11'~ 1'	11'~ 1'1"	11'~ 1'1"	10'~ 1'2"	10'~ 1'2"	9'~ 1'4"	8'~ 1'7"	7'~ 2'3"	7'~ 4'2"
2	from~to		1'10'~ 2'3"	1'9'~ 2'4"	1'8'~ 2'6"	1'6'~ 2'9"	1'5'~ 3'3"	1'3'~ 4'7"	1'1'~ 8'11"	11'~ ∞	9'~ ∞
3	from~to		2'7'~ 3'6"	2'5'~ 3'10"	2'3'~ 4'3"	2'1'~ 5'3"	1'10'~ 7'5"	1'7'~ 20'6"	1'4'~ ∞	1'1'~ ∞	11'~ ∞
4	from~to		3'4'~ 5'	3'1'~ 5'7"	2'10'~ 6'8"	2'6'~ 9'4"	2'3'~ 19'11"	1'10'~ ∞	1'7'~ ∞	1'3'~ ∞	11'~ ∞
5	from~to		4'~ 6'8"	3'8'~ 7'9"	3'4'~ 10'	2'11'~ 17'6"	2'6'~ ∞	2'1'~ ∞	1'8'~ ∞	1'3'~ ∞	1'~ ∞
8	from~to		5'8'~ 13'5"	5'1'~ 18'9"	4'5'~ 40'8"	3'8'~ ∞	3'2'~ ∞	2'5'~ ∞	1'11'~ ∞	1'5'~ ∞	1'~ ∞
20	from~to		8'6'~ 61'3"	7'11'~ ∞	5'11'~ ∞	4'9'~ ∞	3'9'~ ∞	2'10'~ ∞	2'2'~ ∞	1'7'~ ∞	1'~ ∞
∞	from~to		19'9'~ ∞	13'11'~ ∞	9'11'~ ∞	6'11'~ ∞	4'11'~ ∞	3'5'~ ∞	2'6'~ ∞	1'9'~ ∞	1'2'~ ∞

YASHINON f1.4/38mm TELE LENS

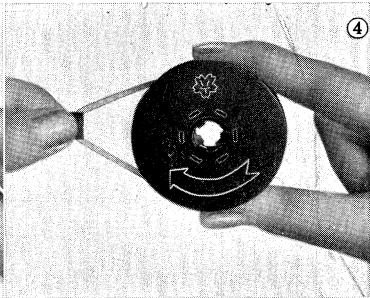
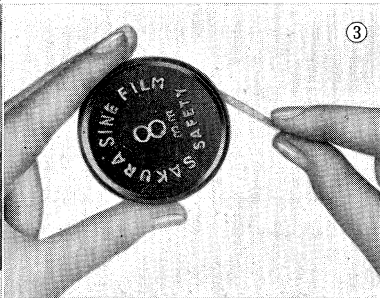
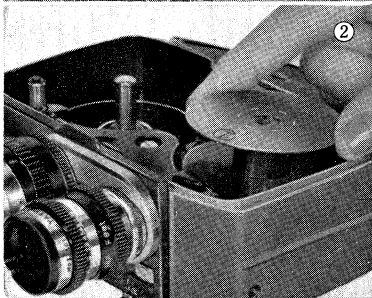
Distance		f-stop	f 1.4	f 2	f 2.8	f 4	f 5.6	f 8	f 11	f 16
3.5ft	from~to		3'5'~ 3'7"	3'5'~ 3'7"	3'4'~ 3'8"	3'3'~ 3'8"	3'2'~ 3'9"	3'2'~ 3'11"	3'~ 4'2"	2'10'~ 4'6"
5	from~to		4'10'~ 5'2"	4'9'~ 5'2"	4'9'~ 5'3"	4'7'~ 5'5"	4'6'~ 5'8"	4'3'~ 5'12"	4'1'~ 6'5"	3'9'~ 7'5"
10	from~to		9'5'~ 10'7"	9'3'~ 10'11"	8'11'~ 11'3"	8'7'~ 12'	8'1'~ 13'	7'6'~ 15'	6'10'~ 18'6"	6'~ 30'
15	from~to		13'9'~ 16'5"	13'3'~ 17'1"	12'9'~ 18'2"	12'~ 20'	11'1'~ 23'1"	9'12'~ 30'1"	8'10'~ 48'6"	7'6'~ ∞
30	from~to		25'6'~ 36'5"	24'~ 40'1"	22'2'~ 46'5"	19'11'~ 60'6"	17'7'~ 102'	14'11'~ ∞	12'7'~ ∞	9'11'~ ∞
∞	from~to		16'9'~ ∞	11'8'~ ∞	8'4'7'~ ∞	5'9'2'~ ∞	4'2'3'~ ∞	2'9'7'~ ∞	2'1'6'~ ∞	1'4'9'~ ∞

LOADING THE FILM

Loading your Yashica Movie is easy if you follow these steps. With some practice you will do it in seconds.

Important: Always load the camera in subdued light, or in the shadow of your body if you are in

- (1) Wind the camera motor. Then lift the film loading door lock, turn it counter-clockwise, and open the film loading door.
- (2) Remove the empty spool.
- (3) Remove tape around the film container.
- (4) Place your finger on the film to keep it from loosening and remove rubber band.



(5) Insert end of film deep in the slot in the empty spool with the side marked "1" facing up.

(6) Film must run along the white arrow-line film path marked inside.

(7) Now holding both spools, place the loaded spool on the upper spindle, the empty spool on the lower spindle, and slip the film along the arrow-path into the film gate. The dull emulsion side of the film must be facing the lens.

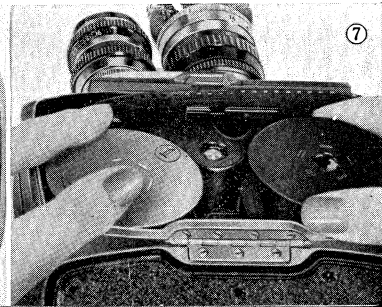
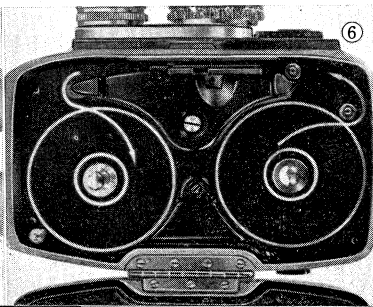
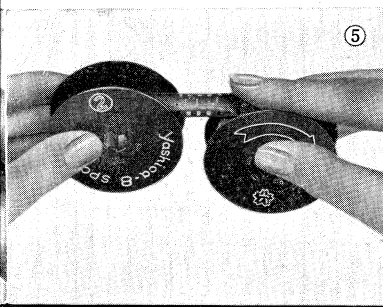
Note: The film gate automatically closes when the film loading door is shut.

(8) Press the run-button to run the camera for 2 seconds as a test for smooth film movement through the camera. Then, close the film loading door and turn the lock clockwise. Run the camera until "0" appears in the footage counter. The camera is now ready for filming.

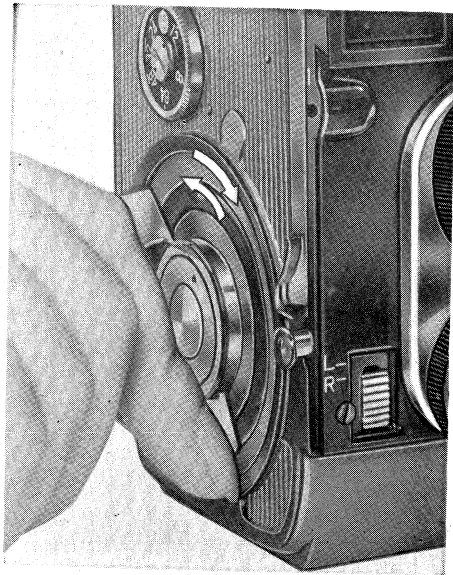


UNLOADING FILM

See 16 page (Same Title)



Always keep the spring motor fully wound

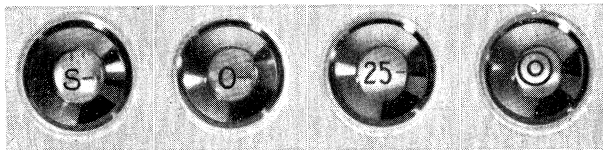
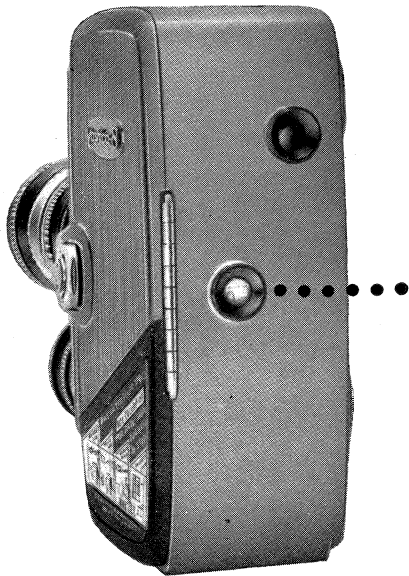
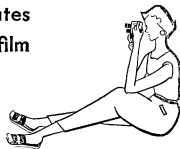


The Yashica movie will run 6 feet of film (30 seconds at 16 frames-per-second) on a full motor wind. To wind the motor, grasp the crank and wind back-and-forth, as you would wind a watch, until forward motion stops. Do not force it further. When loading the camera, always keep the motor fully wound. Wind the motor after every shot. That way you will avoid an unexpected run-down during a shot.

Avoid running the camera without film.
NEVER run it without film at speeds
higher than 16 frames-per-second.

THE FOOTAGE COUNTER

The footage counter indicates the number of feet of film used.



When you load the camera, it automatically returns to "S", or start. Always run the camera until the "O" appears, before you begin filming. At the end of 25 feet, run the motor until the double-circle mark appears before you open the film loading door.

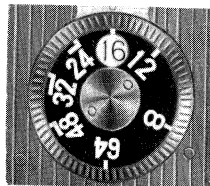
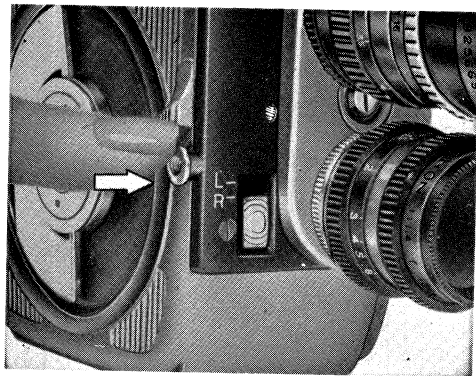
Filming with your Yashica

(It is advisable to read the rest of this booklet before filming with your Yashica Movie.)

Wind the camera motor. Set running speed to 16 frames-per-second. Make certain the zoom-finder is set to match the lens in use.

Set the aperture ring to the f/stop recommended in the exposure guide packed with the film. If you are using color film, you have a convenient exposure guide right on

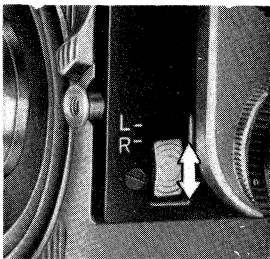
the camera itself. If the subject is nearby, set the focusing ring to 4 feet. If the subject is far away, set it to 20 feet. Hold the camera to your eye and frame the scene in the view-finder. Stand perfectly still. Press the run-button — and you are making a movie!



The Yashica Movie Camera is equipped with 7 shutter speeds to enable the user to take pictures under every condition.

(See 11 page)

SAFETY LOCK



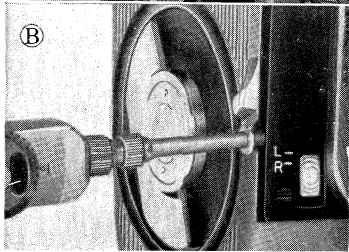
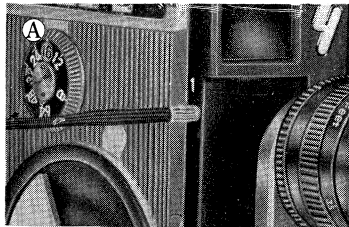
When the Safety-lock is set at "L", the run-button cannot be depressed. Therefore, before taking pictures the Safety-lock has to be set at "R". To set for continuous exposure depress the run-button and push the Safety-lock to "L". After the shot, be sure to push the continuous run lock back to "R", or the camera will run while you are winding the motor.

SINGLE FRAME EXPOSURE

By inserting a standard cable release into the socket marked "I", you can trip the shutter to expose one frame at a time.

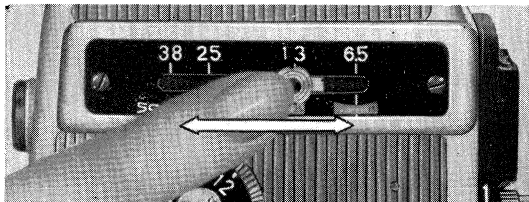
(A) With single-frame exposures you can make an animated cartoon movie, or create time-lapse movies (of flower opening, for example), or even make snapshots for enlargement.

(B) If the use of a cable release is preferred, screw the cable release into the socket provided in the run-button. The use of a self-timer in the same manner will enable you to get in the picture yourself.



ZOOM VIEWFINDER

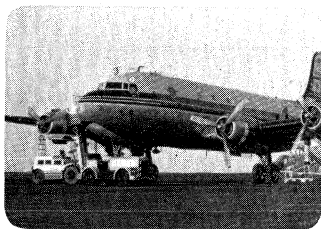
The zoom finder of the Yashica Movie is adjustable to match the viewing field of the lens in use. It "zooms" from the 6.5mm wideangle viewing field, to the 13mm



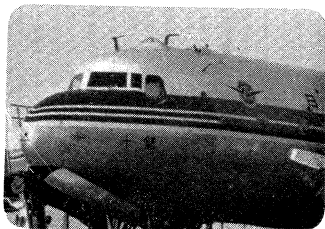
normal, to the 25mm telephoto, and the 38mm telephoto lens viewing fields, merely by moving the finder adjustment knob along the zoom finder scale. The upper number on the scale represent the four viewing fields.



Field of Vision at 6.5mm (Wide-angle)



Field of Vision at 13mm (Normal)



Field of Vision at 38mm (Telephoto)



Wide-screen field of view using Yashica Scope.

YASHICA SCOPE MASK

When using the Yashica Scope wide-screen (anamorphic) lens attachment over the conventional lens, slip the Yashica Scope mask over the front of the viewfinder. Use the numbers in red opposite the word "SCOPE" below the zoom finder scale to match the viewfinder to the viewing field of the conventional lens in use.



The Yashica Scope mask is slipped on over the the front window of the zoom viewfinder.

CARE OF YOUR YASHICA MOVIE

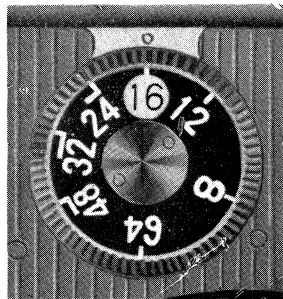
With reasonable care your YASHICA MOVIE will always operate perfectly. If only one lens is mounted in the turret, keep the other lens mount covered with the screw-in cap supplied.

Store the YASHICA MOVIE in a dry place, away from heat or cold. If the climate is particularly humid, it is advisable to keep small bags of silica-gel or any other dehydrating agent with the camera to prevent excessive accumulation of moisture in the working parts.

Never put the YASHICA in the glove compartment of an automobile. Incessant shocks and extremes of heat and cold could cause damage.

The speed dial of the Yashica

Your Yashica Movie has seven running speeds. They are 8, 12, 16, 24, 32, 48, and 64 frames-per-second. The major uses of each speed are described below:



8 FRAMES PER SECOND

(Shutter exposure 1/18 second)

Use only with perfectly stationary scenes when there is danger of under exposure at 16 frames-per-second with maximum lens aperture. Used also for extreme speed-up, since all moving objects move twice as fast on the screen. Shots will project only half as long as at standard speed. For a 7 second shot, run the camera 14 seconds.

12 FRAMES PER SECOND

(Shutter exposure 1/26 second)

For accelerating movement, such as a slow moving boat, or sports action, to achieve more dramatic effects. Shots will project only $\frac{3}{4}$ as long as at standard speed. For a 6 second shot run the camera 8 seconds.

24 FRAMES PER SECOND

(Shutter exposure 1/50 second)

Useful for reducing the effect of camera shake when panning, or to produce slight slow-motion effect. Also used for sound films. Shots will project $1\frac{1}{2}$ times as long as at standard speed. For a 15 second shot run the camera 10 seconds.

32 FRAMES PER SECOND

(Shutter exposure 1/70 second)

This speed adds power and majesty to movement such as a waterfall or raging waves by moderate slow-motion effect. Use for rapid panning. Shots will project twice as long as at standard speed. For a 10-second shot run the camera 5 seconds.

48 FRAMES PER SECOND

(Shutter exposure 1/100 second)

Slow motion speed, used for sports or dance movies to analyze motion. Shots will project 3 times as long as standard speed.

64 FRAMES PER SECOND

(Shutter exposure 1/140 second)

Extreme slow motion speed for more critical motion analysis. Shots will project 4 times as long as at standard speed.

STANDARD SPEED

16 FRAMES PER SECOND

(Shutter exposure 1/35 second)

Most of your shooting will be done at 16 frames-per-second, which is the standard speed for the camera and the projector in 8mm movies. Other running speeds are used for various special effects.

CONTINUOUS EXPOSURE

To set for continuous exposure depress the run-button and push the Safety lock to "L". The continuous run lock enables you to run the camera without keeping your finger on the run-button. This permits you to move away from the camera during a shot, and even walk into the scene yourself.

SINGLE EXPOSURE

With single-frame exposures you can make an animated cartoon movie, or create time-lapse movies for example, flowers opening or even make snapshots for enlargement.

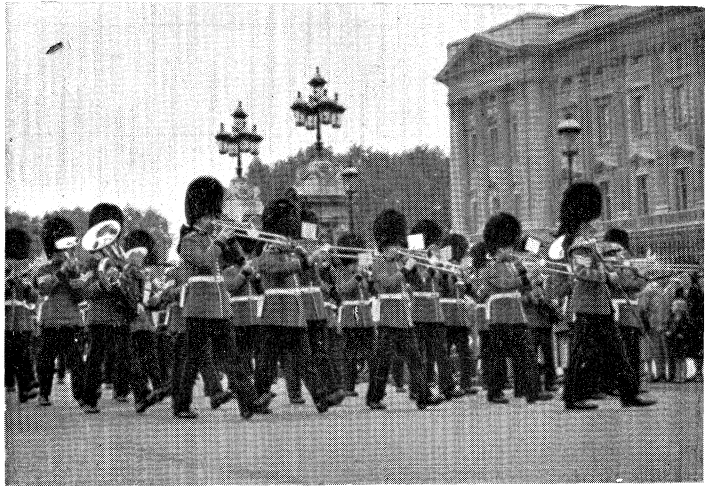
For better movies



Movies in settings from brilliant mountain-top sunshine to virtually near darkness, from the intimacy of the home to the swirling crowds of a festival are yours with the Yashica Movie. You will be able to create effects such as simulated night scenes, slow motion, comic speed-up, majestic scenic vistas or searching close-ups of distant faces. For better movies, the movement or actions of people, animals or vehicles included in a scene, for instance, will add interest and charm to the pictures when they are projected on the screen whereas this indescribable appeal cannot be enjoyed or felt in pictures taken with a still camera.

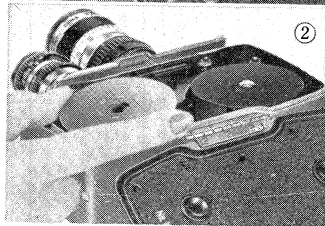
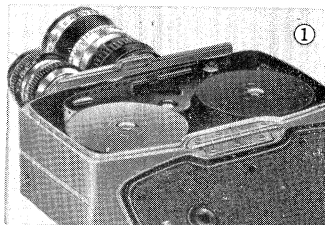
Therefore, remember to add action and imagination and you will get

more fun and enjoyment out of your movie production. It will be worth while to consider the camera position, angle, and a story to dramatize the subject matter to be filmed. A series of pictures in proper sequence and continuity would be more interesting than random shots taken without prior thought in planning. Run each shot at least 7 seconds, so it does not blink on and off the screen. **Keep the camera perfectly still.** Let the subject move. Pan (rotate the camera) sparingly—and very slowly. Pan in one direction only, never back and forth. Tilt the camera (up or down) sparingly—and very slowly. Tilt only up, or down, never up and down. Rewind the motor immediately after every shot. Do not move or jar the camera. Do not wave it back and forth.

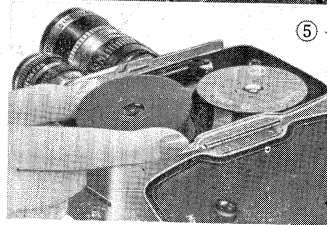
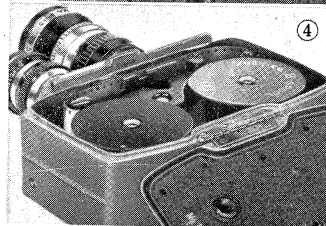
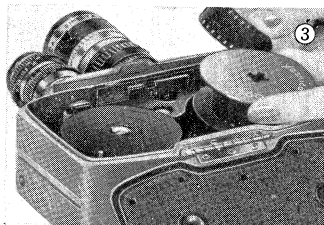


Unloading, or reversing the film

When you have filmed 25 feet of movies, thus exposing the first half-width of the film, proceed as follows:



- (1) The exposed film will be wound on the take up spool.
- (2) Remove the loaded spool from the take-up spindle, taking care not to let the film unwind. Remove the empty spool from the upper spindle.
- (3) Invert the loaded spool so that the "2" is visible, and then insert it in the upper spindle.
- (4) Repeat steps (5), (6), (7) and (8) of the loading instructions.
- (5) After you have filmed the second half-width of the 25 foot film, remove the spool carefully, keeping the film in place with your finger. Replace it immediately in the can in which it was supplied.



REVIEW

Now that you have read the instructions, review your filming procedure in these 6 steps:

1. Wind the camera motor.
2. Load the film (Page 2). Run the camera until "O" appears in the footage counter window.
3. Set the speed dial: 16 frames-per-second is standard speed.
4. Move the zoom viewfinder adjustment knob to 13 for the normal, to 6.5 for the wide-angle, or to 38 for the telephoto Yastrinon lens.
5. Set the lens aperture ring to the correct f/stop, and the focusing ring to 4 for nearby action or to 20 for far away scenes.
6. Frame the scene in the viewfinder and press the run-button to shoot.

ACCESSORIES

These useful accessories widen the scope and add convenience to movie-making. They can be purchased at your Yashica dealer.

YASHINON LENSES

These lenses are in standard D mounts for the YASHICA 8T, YASHICA 8 and other precision 8mm camera. All Yashinon Lenses are coated and color-corrected. Filter holders are built-in.



Yashinon 38 f1.4



Yashinon 6.5 f1.4



Yashica Scope 1:1.5

- | | | | | |
|----|---------------|-------|-------|--------------|
| a. | Yashinon | 6.5mm | f:1.9 | (wide) |
| b. | Yashinon | 38mm | f:1.9 | (tele) |
| c. | Yashinon | 6.5mm | f:1.4 | (wide) |
| d. | Yashinon | 38mm | f:1.4 | (tele) |
| e. | Yashica-Scope | 1:1.5 | | (anamorphic) |



Musette Case



Genuine Leather Carrying Case



Soft Leather Zipper Pouch

CAMERA IDENTIFICATION

As soon as possible after you purchase your Yashica 8T2, fill in the information required below. Keep this booklet in a safe place. In case of loss or theft this information will prove valuable in recovering the cameras.

YASHICA 8T2 Serial Number _____

YASHINON f:1.4 13mm Lens Number _____

YASHINON f:1.4 6.5mm Lens Number _____

YASHINON f:1.4 38mm Lens Number _____

PURCHASED at _____

(Name of Firm)

(Address)

DATE of PURCHASE _____



YASHICA CO., LTD.

Printed in Japan